

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 10003094WO01	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2004/011582	International filing date (day/month/year) 05/08/2004	(Earliest) Priority Date (day/month/year) 08/08/2003
Applicant  CANON KABUSHIKI KAISHA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐

**Certain claims were found unsearchable** (See Box II).

3. ☐

**Unity of invention is lacking** (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

MESOSTRUCTURED FILM, MESPOROUS MATERIAL FILM, AND PRODUCTION METHODS FOR THE SAME

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/011582

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C01B37/02 G21K1/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C01B G21K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	S. BESSON, C. RICOLLEAU, T. GACOIN, C. JACQUIOD, J-P. BOILOT: "A New 3D Organization of Mesopores in Oriented CTAB Silica Films"	1,5,15
A	JOURNAL OF PHYSICAL CHEMISTRY B, vol. 104, no. 51, , pages 12095-12097, XP002304393 the whole document  ----- -/--	2-4, 6-13,16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

18/11/2004

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/011582

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	D. GROSSO, A. R. BALKENENDE, P. A. ALBOUY, M. LAVERGNE, L. MAZEROLLES, F. BABONNEAU: "Highly oriented 3D-hexagonal silica thin films produced with cetyltrimethylammonium bromide" JOURNAL OF MATERIALS CHEMISTRY, vol. 10, no. 9, 25 August 2000 (2000-08-25), pages 2085-2089, XP002304394	1,5,15
A	the whole document	2-4, 6-13,16
X	----- US 2003/012931 A1 (KURODA KAZUYUKI ET AL) 16 January 2003 (2003-01-16) claims 24-33 paragraphs '0038! - '0073!	16
A	figure 1b; examples	1-15
X	----- PATENT ABSTRACTS OF JAPAN vol. 2003, no. 03, 5 May 2003 (2003-05-05) & JP 2002 338229 A (CANON INC), 27 November 2002 (2002-11-27)	16
A	abstract	1-15
P,X	----- WO 2004/015167 A (CANON KK ; OGAWA MIKI (JP)) 19 February 2004 (2004-02-19) claims 1,4,7,9-13,16,17 page 4, line 9 - page 5, line 14 page 10, line 20 - page 13, line 6 page 16, line 3 - page 17, line 25 page 21, line 26 - page 22, column 10 page 28, lines 12-27 figure 6; examples -----	16

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011582

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2003012931	A1	16-01-2003	JP 2001058812	A	06-03-2001
JP 2002338229	A	27-11-2002	NONE		
WO 2004015167	A	19-02-2004	JP 2004091318	A	25-03-2004
			WO 2004015167	A2	19-02-2004